

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083511.D
 Acq On : 27 Aug 2024 15:53
 Operator : JC\MD
 Sample : PB162992ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:48:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

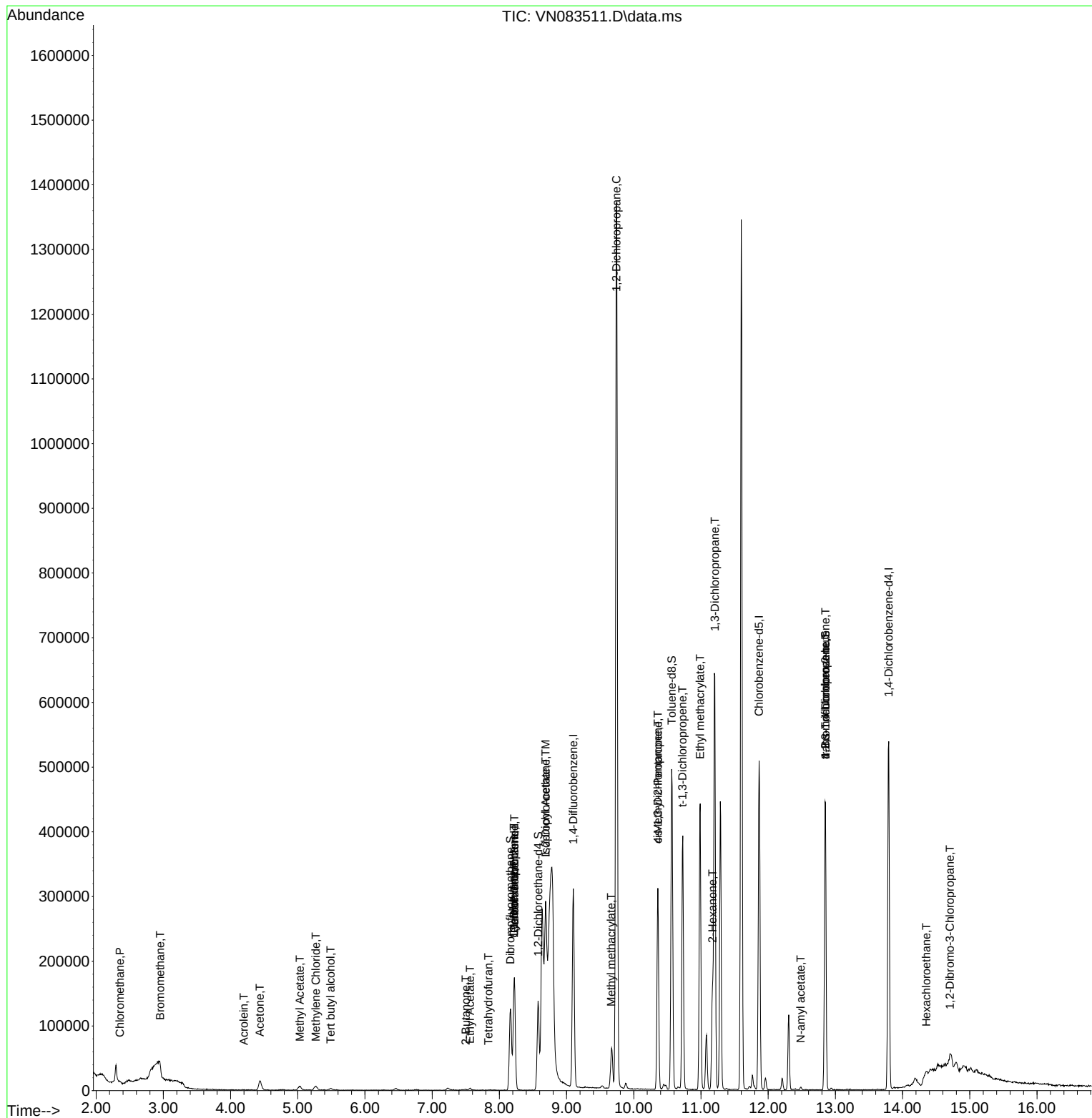
Internal Standards						
1) Pentafluorobenzene	8.224	168	118793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116672	69.001	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 138.000%#	
35) Dibromofluoromethane	8.165	113	91102	57.620	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.240%	
50) Toluene-d8	10.565	98	337942	57.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.600%#	
62) 4-Bromofluorobenzene	12.853	95	158164	68.787	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 137.580%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	546	0.396	ug/l #	43
5) Bromomethane	2.953	94	344	0.394	ug/l #	28
11) Tert butyl alcohol	5.489	59	2176	6.192	ug/l #	71
13) Acrolein	4.200	56	137	0.598	ug/l #	1
16) Acetone	4.436	43	23589	35.652	ug/l	99
18) Methyl Acetate	5.030	43	13870	7.036	ug/l	97
20) Methylene Chloride	5.271	84	4866	3.196	ug/l #	82
25) 2-Butanone	7.500	43	3023	2.976	ug/l #	79
29) Tetrahydrofuran	7.835	42	358	0.545	ug/l #	38
31) Cyclohexane	8.218	56	3015	1.203	ug/l #	27
36) 1,1-Dichloropropene	8.218	75	10692	4.470	ug/l #	50
37) Ethyl Acetate	7.565	43	4459	1.665	ug/l #	94
38) Carbon Tetrachloride	8.224	117	13590	5.045	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1878	0.724	ug/l #	78
43) Isopropyl Acetate	8.688	43	318992	70.346	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1674	0.990	ug/l #	44
48) Methyl methacrylate	9.665	41	4592	2.074	ug/l #	53
51) 4-Methyl-2-Pentanone	10.359	43	118108	46.639	ug/l #	50
53) t-1,3-Dichloropropene	10.724	75	1068	0.383	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	54862	18.473	ug/l #	54
56) Ethyl methacrylate	10.988	69	1231	0.405	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7084	2.463	ug/l #	43
59) 2-Hexanone	11.171	43	129650	66.177	ug/l #	28
74) N-amyl acetate	12.482	43	1716	0.300	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	88049	28.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88049	62.447	ug/l #	6
90) Hexachloroethane	14.353	117	9084	4.816	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.706	75	821	1.023	ug/l #	7

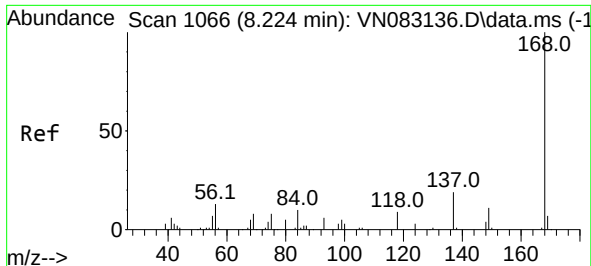
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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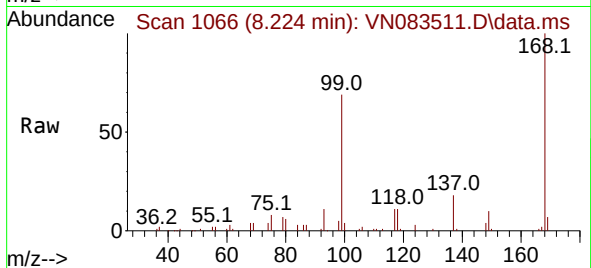
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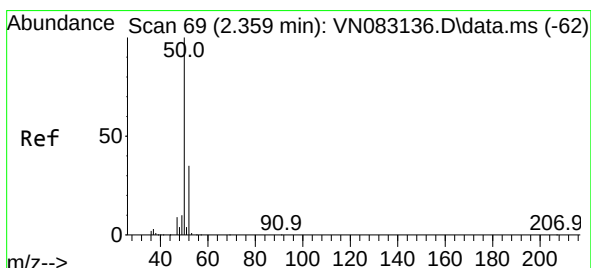
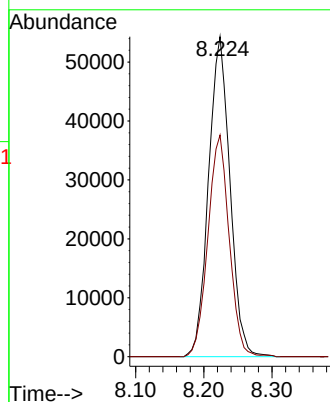
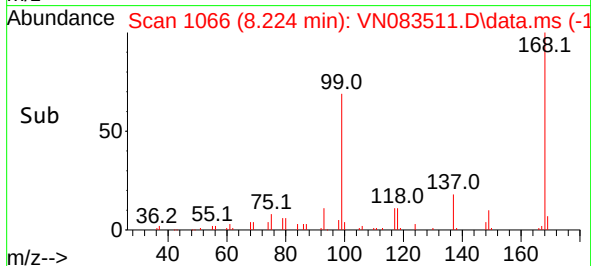


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

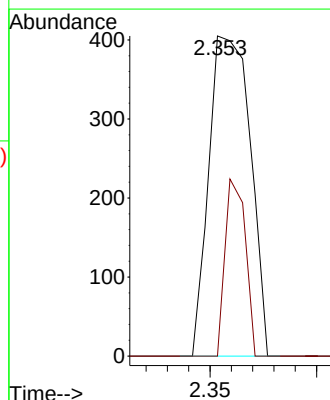
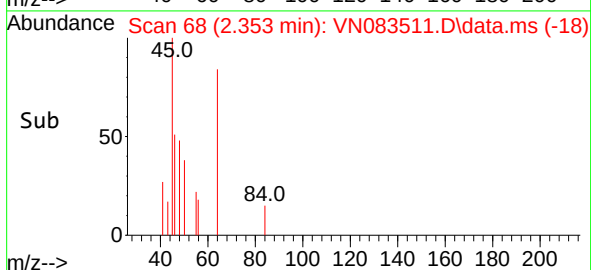
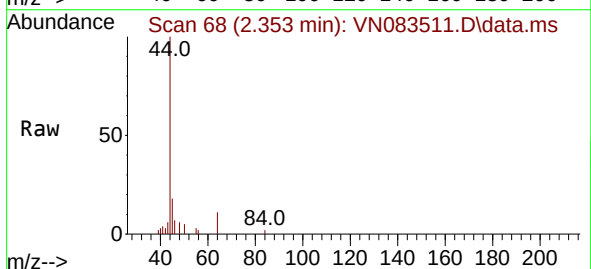


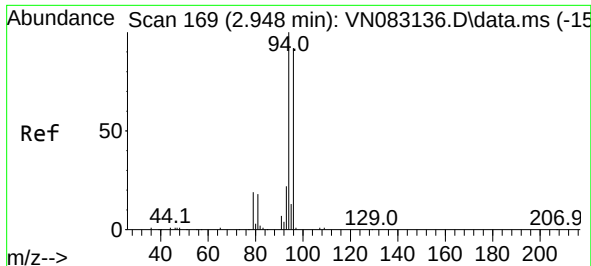
Tgt Ion:168 Resp: 118793
Ion Ratio Lower Upper
168 100
99 69.2 48.2 72.4



#3
Chloromethane
Concen: 0.396 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

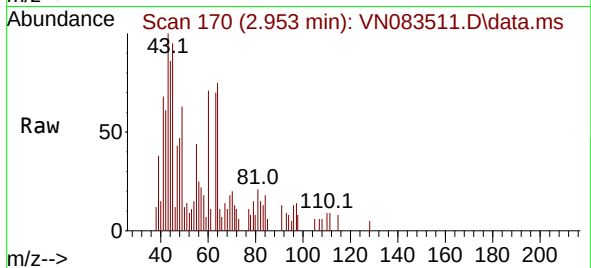
Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



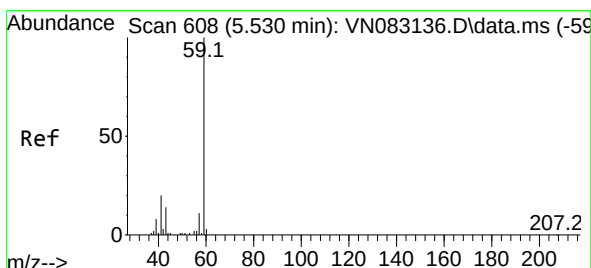
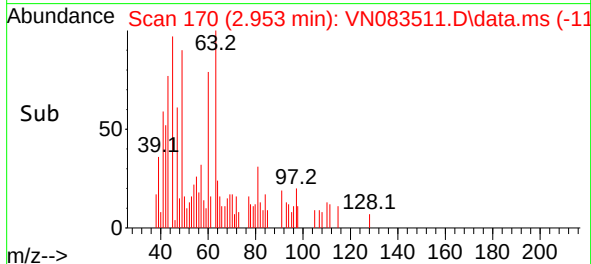
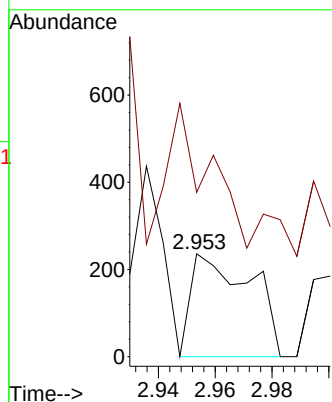


#5
Bromomethane
Concen: 0.394 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

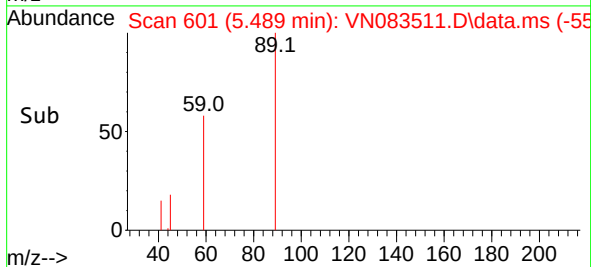
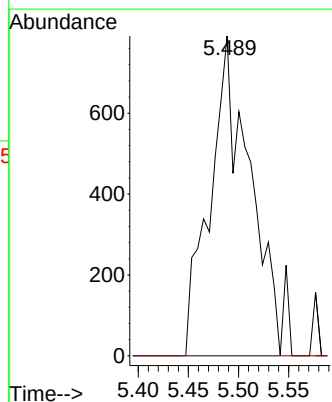
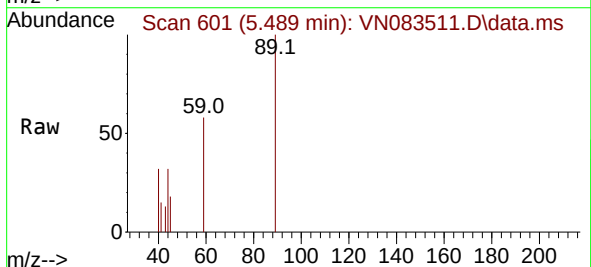


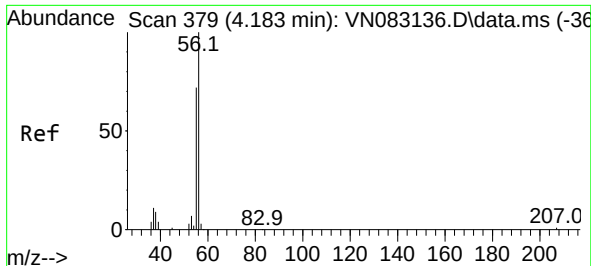
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 26.7 78.0 117.0#



#11
Tert butyl alcohol
Concen: 6.192 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

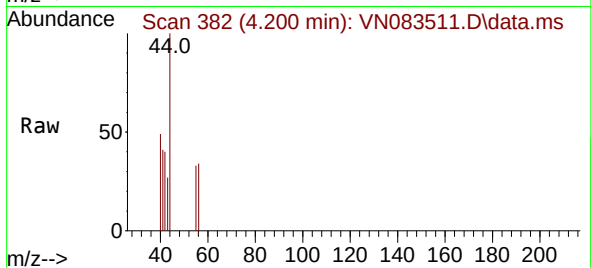
Tgt Ion: 59 Resp: 2176
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



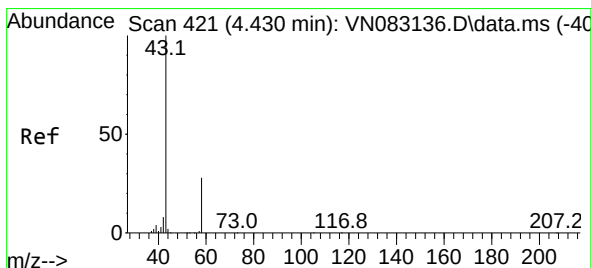
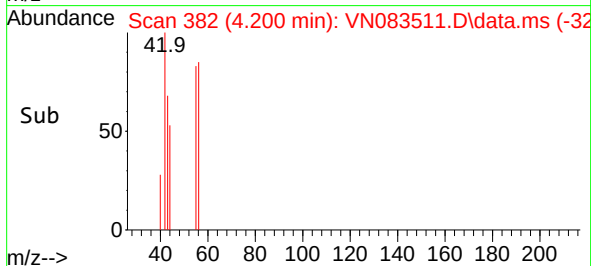
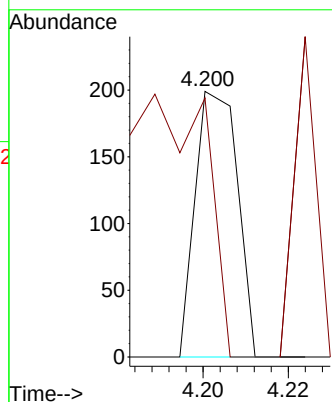


#13
Acrolein
Concen: 0.598 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.018 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

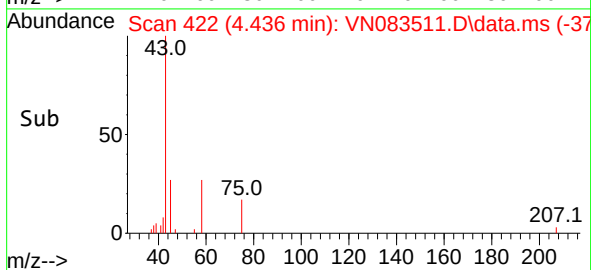
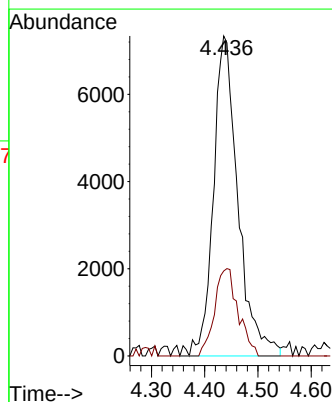
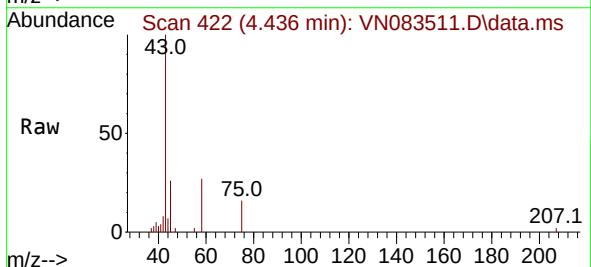


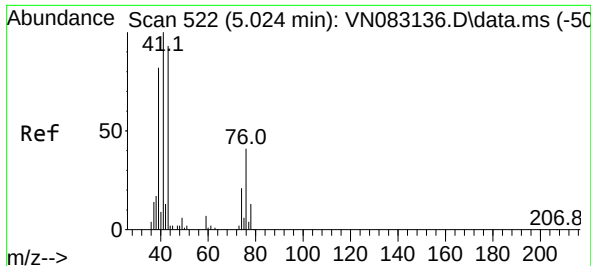
Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 226.3 56.4 84.6#



#16
Acetone
Concen: 35.652 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

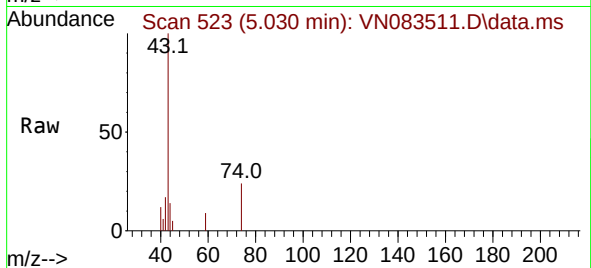
Tgt Ion: 43 Resp: 23589
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.6



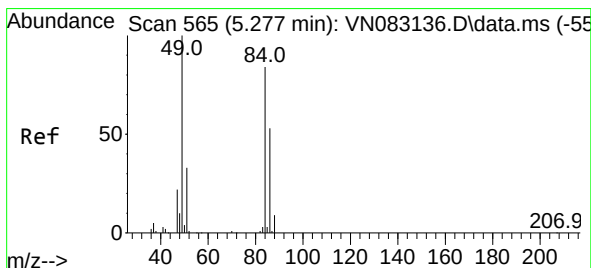
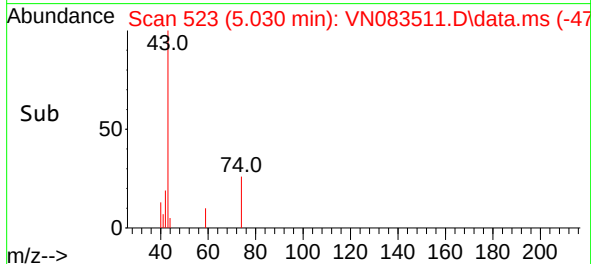
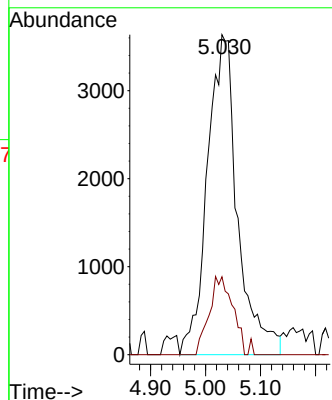


#18
Methyl Acetate
Concen: 7.036 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

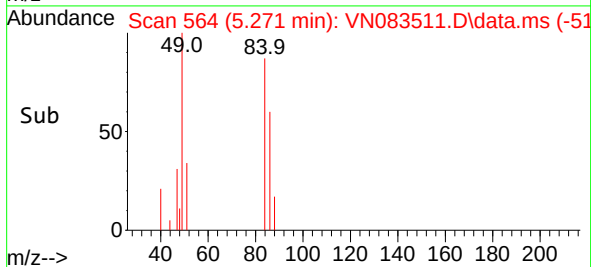
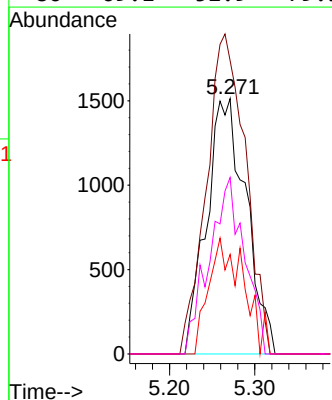
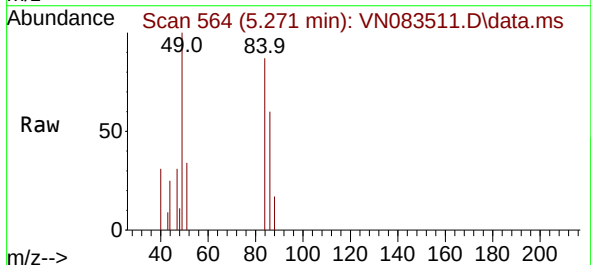


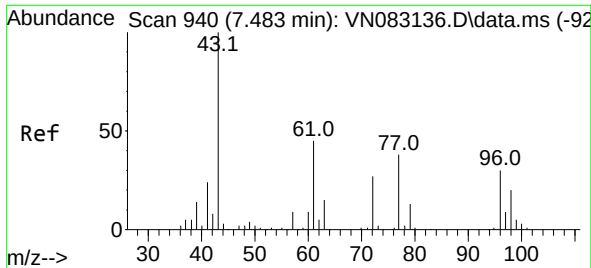
Tgt Ion: 43 Resp: 13870
Ion Ratio Lower Upper
43 100
74 19.0 16.3 24.5



#20
Methylene Chloride
Concen: 3.196 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Tgt Ion: 84 Resp: 4866
Ion Ratio Lower Upper
84 100
49 114.9 119.6 179.4#
51 39.0 34.8 52.2
86 69.1 52.9 79.3

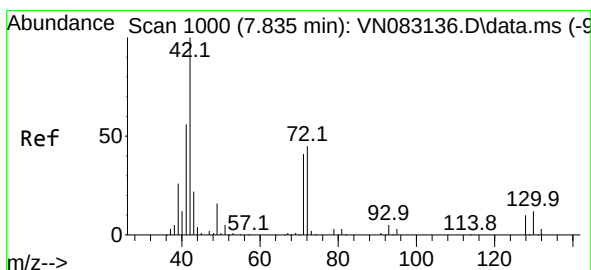
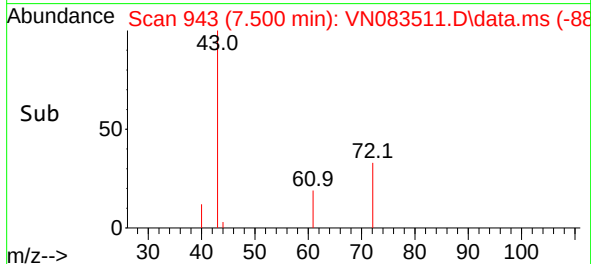
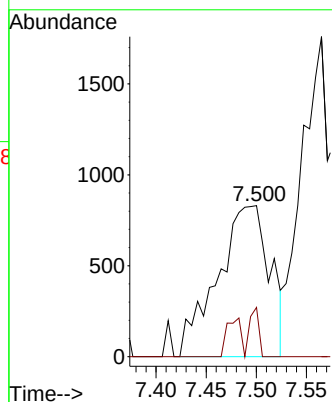
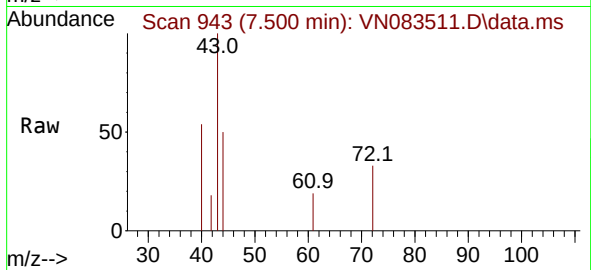




#25
2-Butanone
Concen: 2.976 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

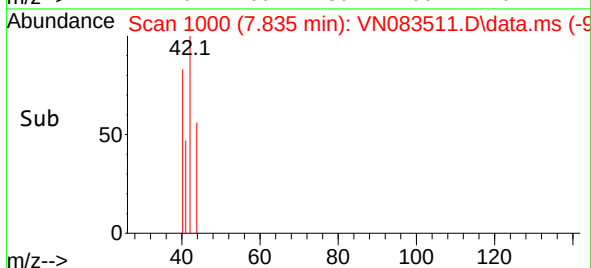
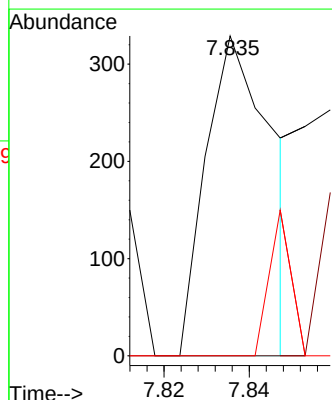
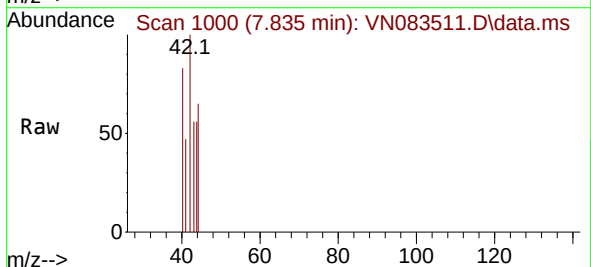
Instrument :
MSVOA_N
ClientSampleId :

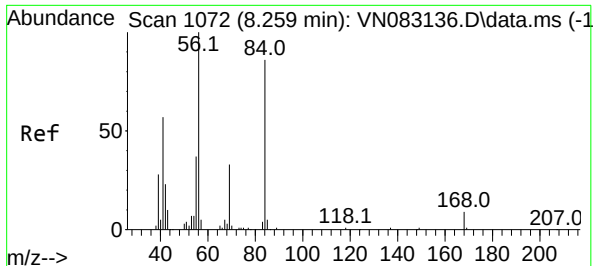
Tgt Ion: 43 Resp: 3023
Ion Ratio Lower Upper
43 100
72 32.6 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.545 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

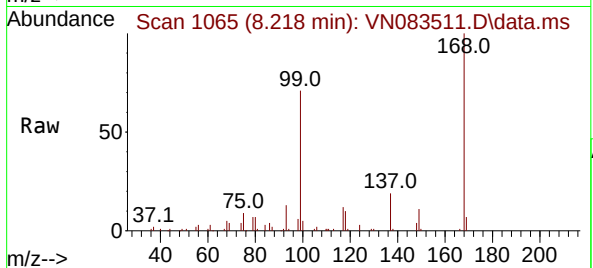
Tgt Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



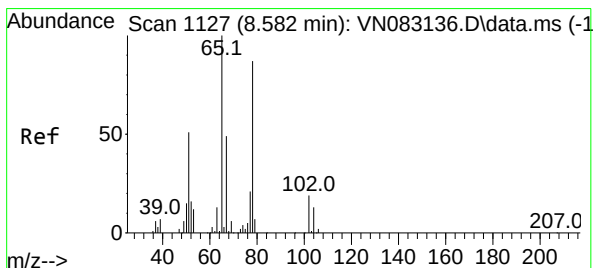
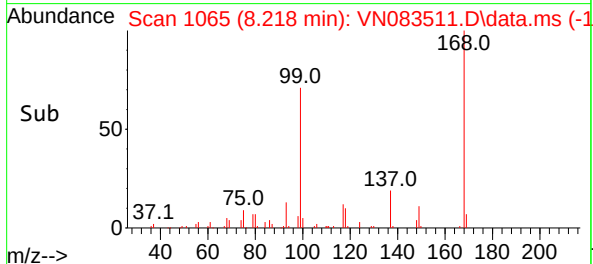
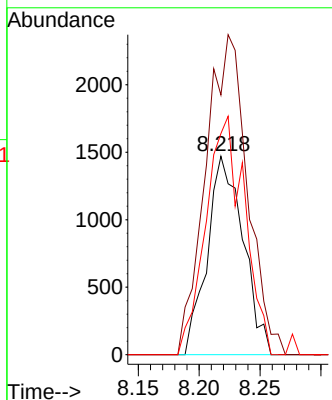


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

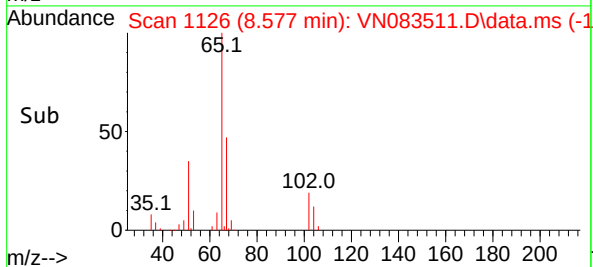
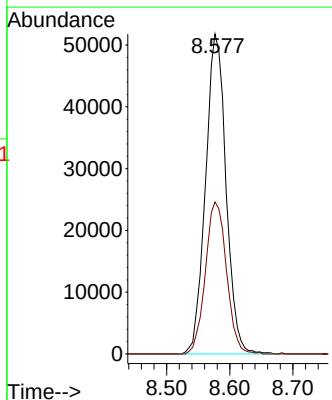
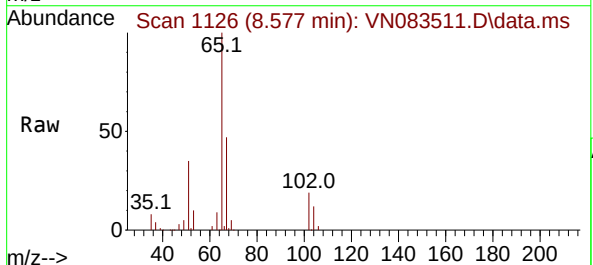


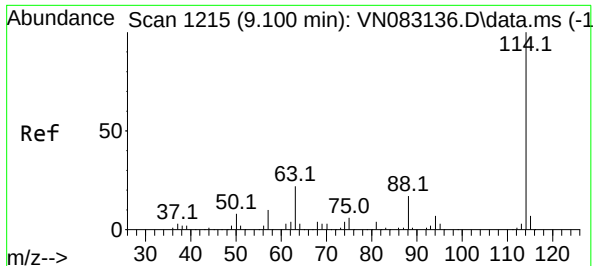
Tgt Ion: 56 Resp: 3015
Ion Ratio Lower Upper
56 100
69 130.9 24.5 36.7#
84 111.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 69.001 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Tgt Ion: 65 Resp: 116672
Ion Ratio Lower Upper
65 100
67 49.0 0.0 104.4

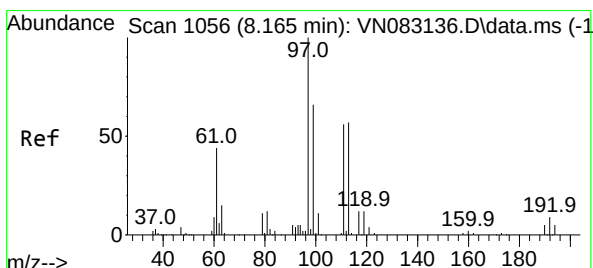
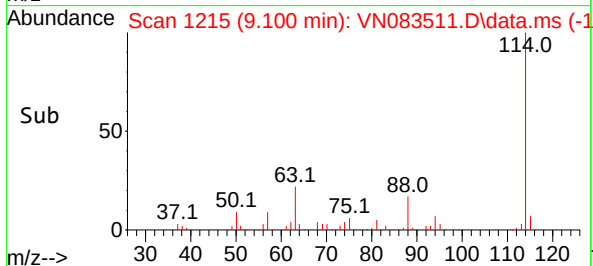
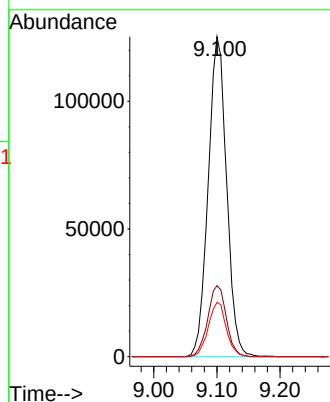
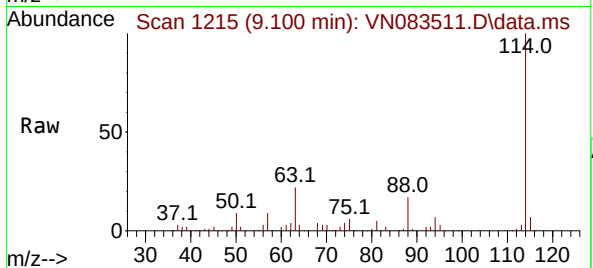




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

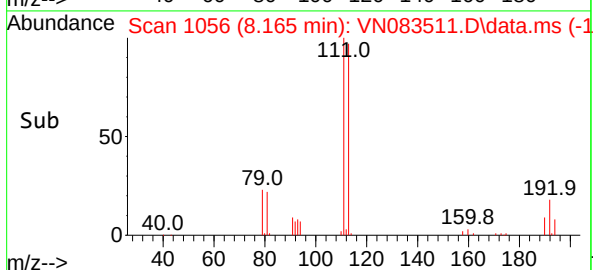
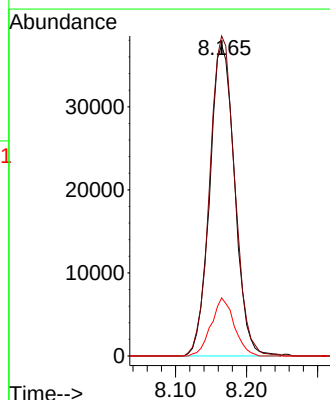
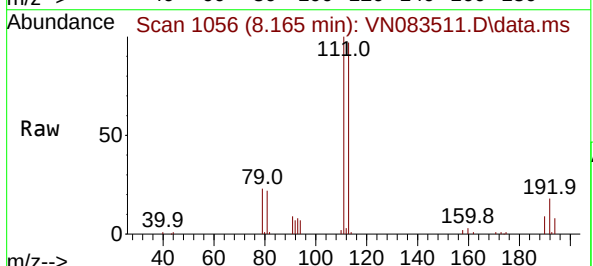
Instrument :
MSVOA_N
ClientSampleId :

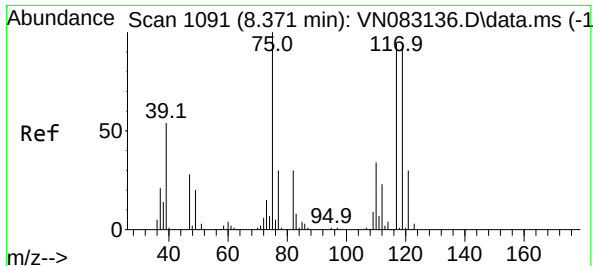
Tgt Ion:114 Resp: 253308
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.6
88 17.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 57.620 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Tgt Ion:113 Resp: 91102
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 17.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.470 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

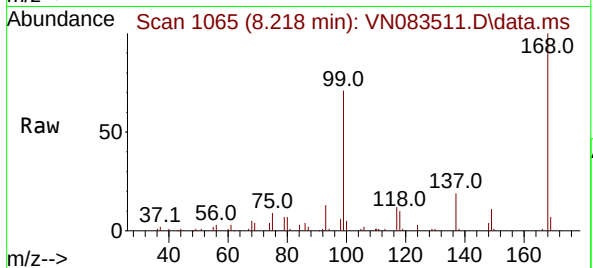
Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

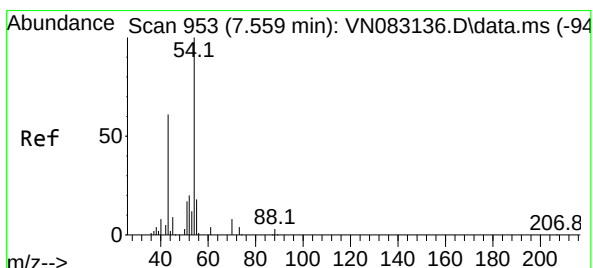
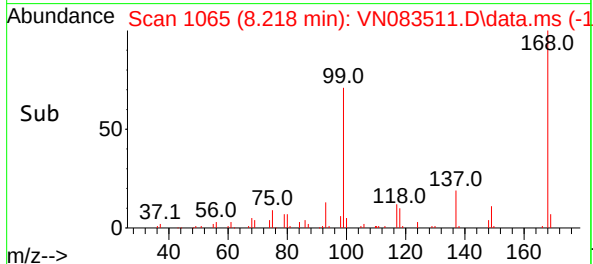
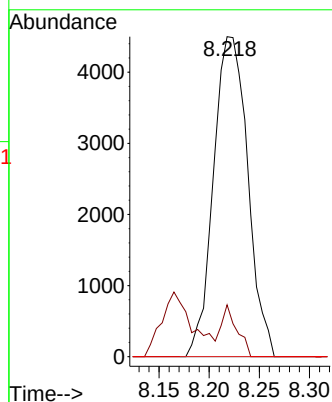
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	10692
Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.665 ug/l

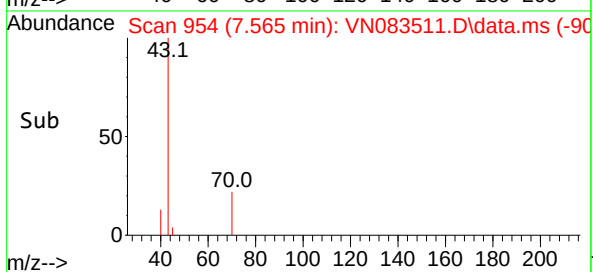
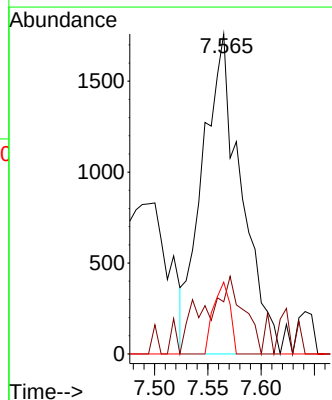
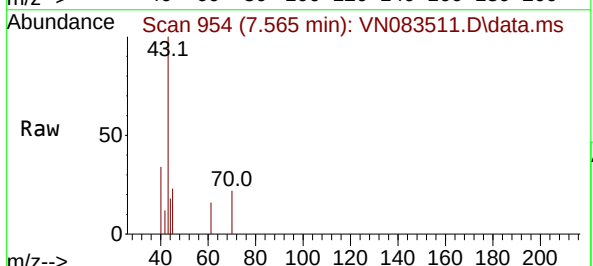
RT: 7.565 min Scan# 954

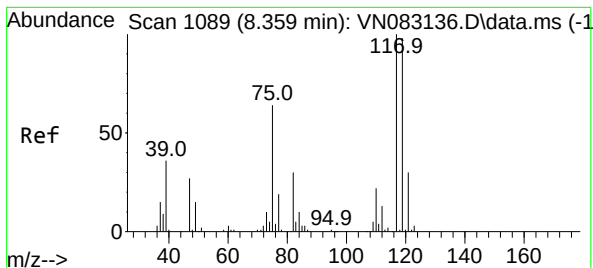
Delta R.T. 0.006 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Tgt Ion:	43	Resp:	4459
Ion	Ratio	Lower	Upper
43	100		
61	15.2	9.3	13.9#
70	9.6	7.0	10.6





#38

Carbon Tetrachloride

Concen: 5.045 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

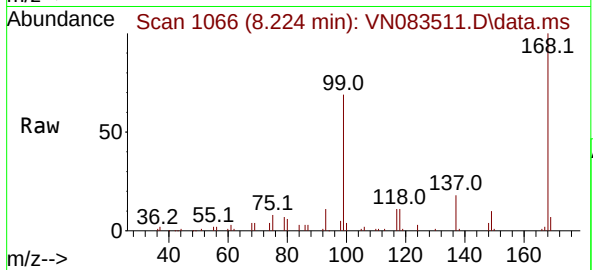
Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Instrument :

MSVOA_N

ClientSampleId :



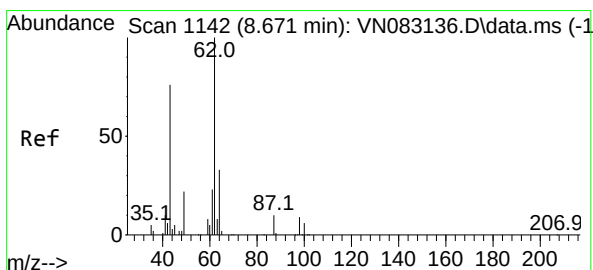
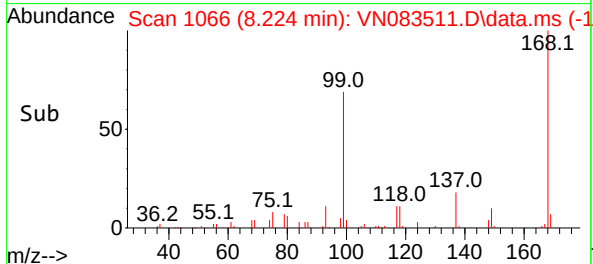
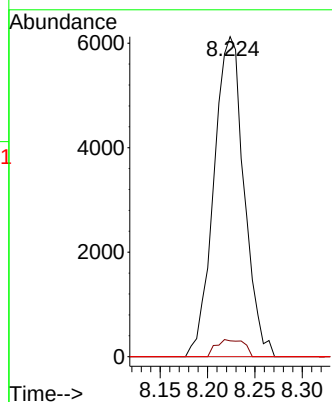
Tgt Ion:117 Resp: 13590

Ion Ratio Lower Upper

117 100

119 5.0 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.724 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083511.D

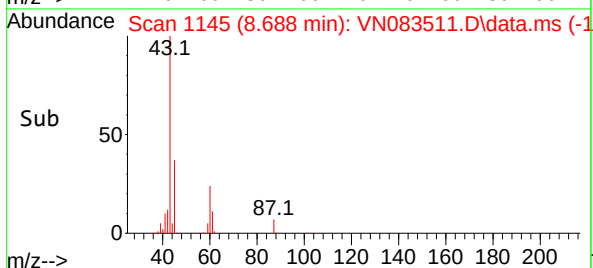
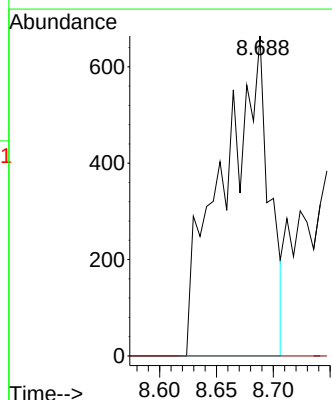
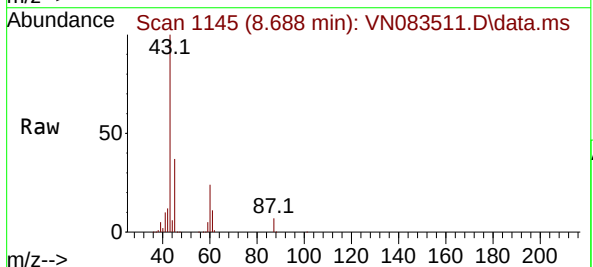
Acq: 27 Aug 2024 15:53

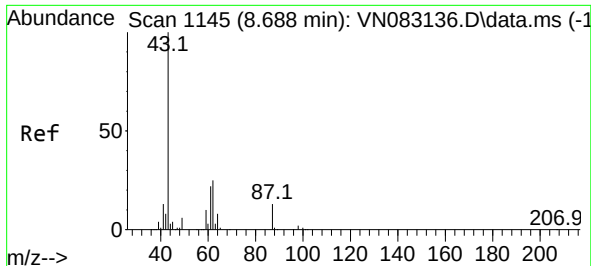
Tgt Ion: 62 Resp: 1878

Ion Ratio Lower Upper

62 100

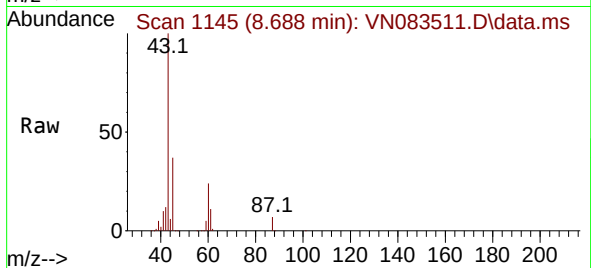
98 0.0 0.0 15.8



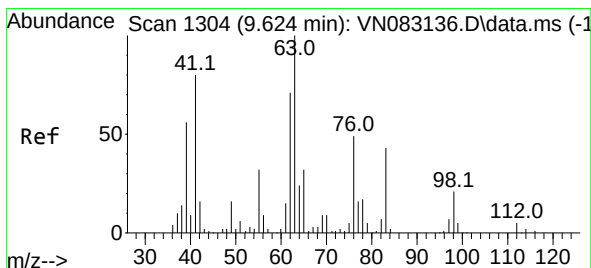
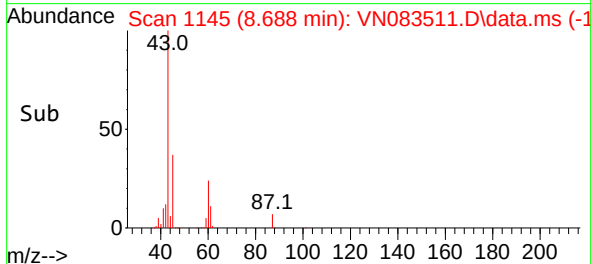
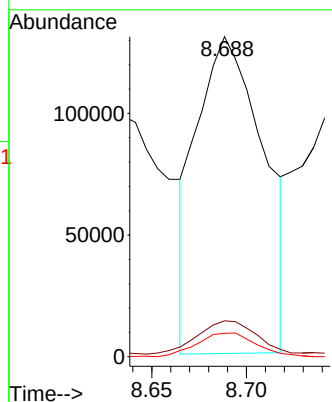


#43
Isopropyl Acetate
Concen: 70.346 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

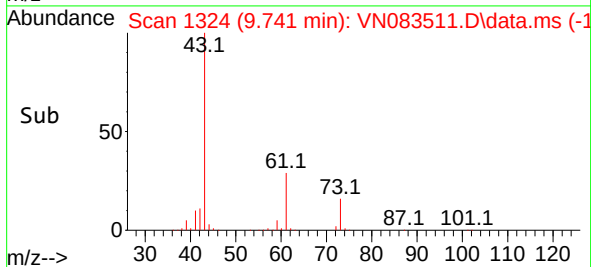
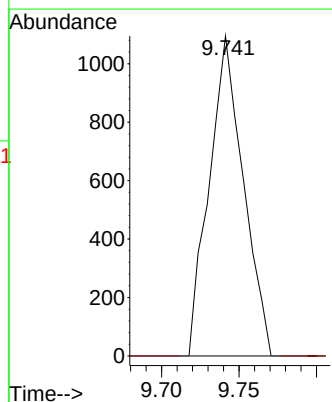
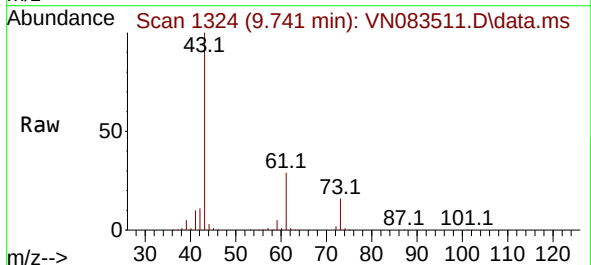


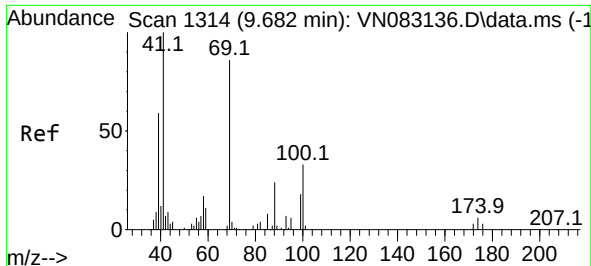
Tgt Ion: 43 Resp: 318992
Ion Ratio Lower Upper
43 100
61 9.7 17.8 26.6#
87 6.6 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.990 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Tgt Ion: 63 Resp: 1674
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 2.074 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN083511.D

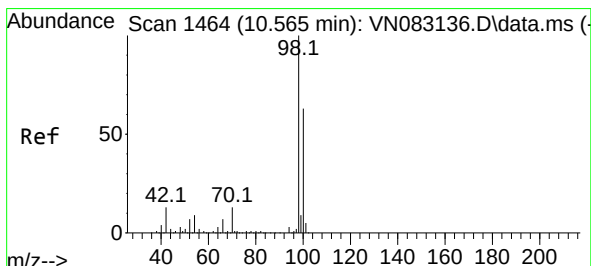
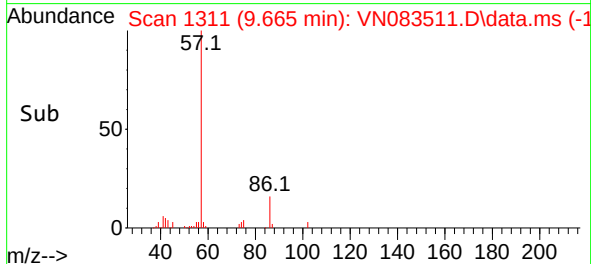
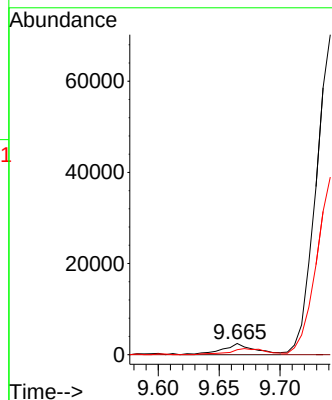
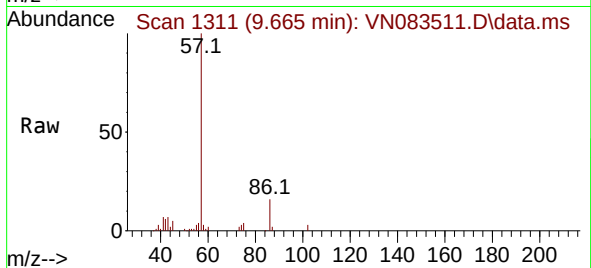
Acq: 27 Aug 2024 15:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 41	Resp: 4592
Ion Ratio	Lower Upper
41	100
69	0.0 56.3 84.5#
39	59.6 50.3 75.5



#50

Toluene-d8

Concen: 57.299 ug/l

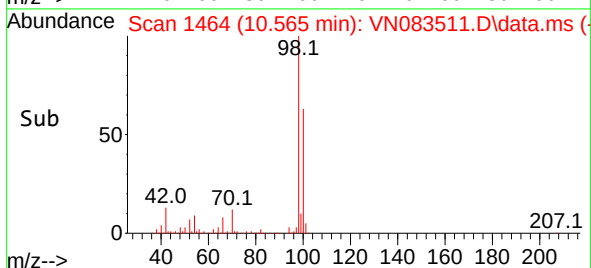
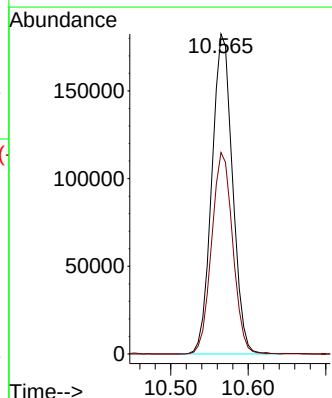
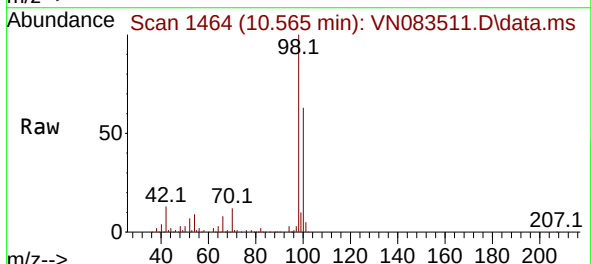
RT: 10.565 min Scan# 1464

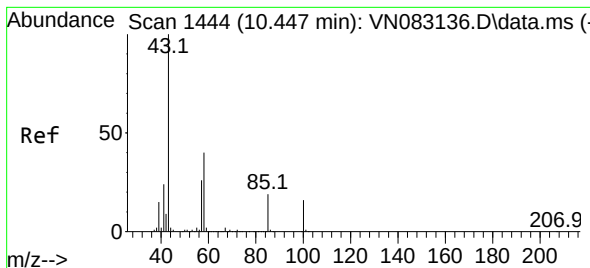
Delta R.T. -0.000 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

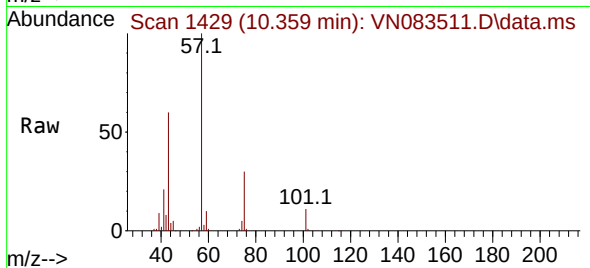
Tgt Ion: 98	Resp: 337942
Ion Ratio	Lower Upper
98	100
100	64.2 51.5 77.3



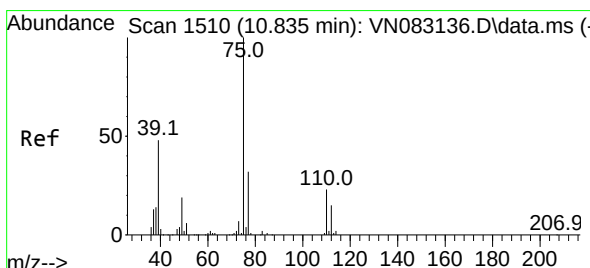
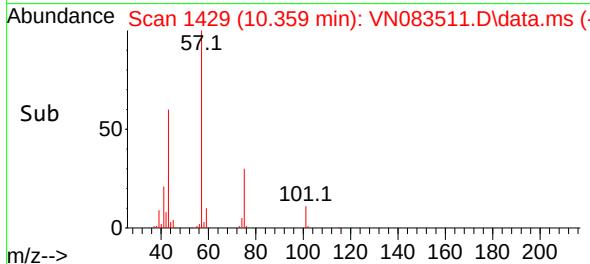
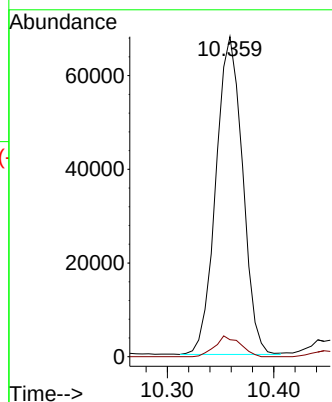


#51
4-Methyl-2-Pentanone
Concen: 46.639 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :

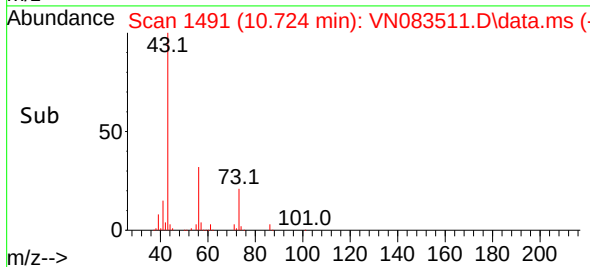
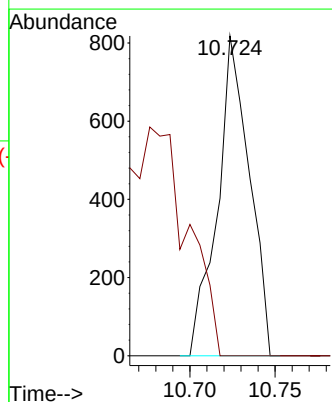
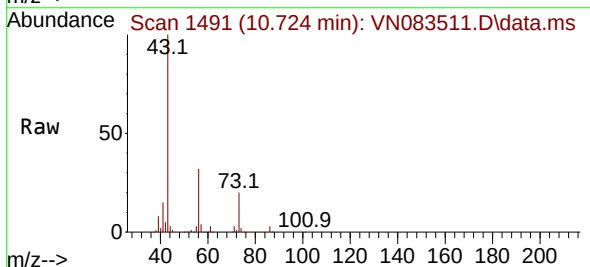


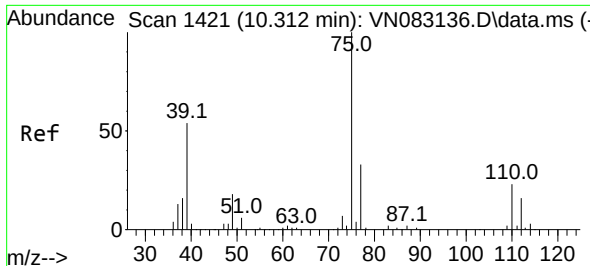
Tgt Ion: 43 Resp: 118108
Ion Ratio Lower Upper
43 100
58 6.2 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.383 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

Tgt Ion: 75 Resp: 1068
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

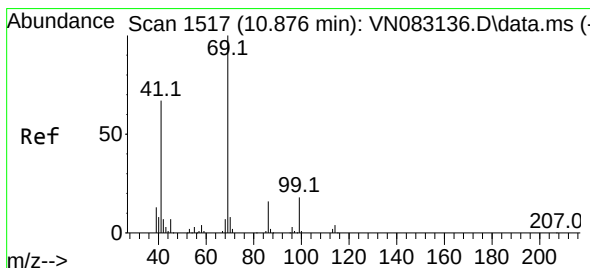
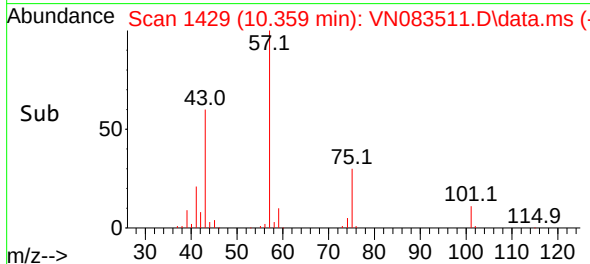
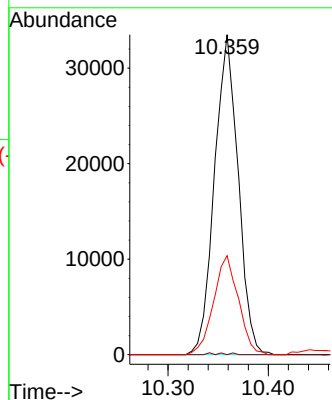
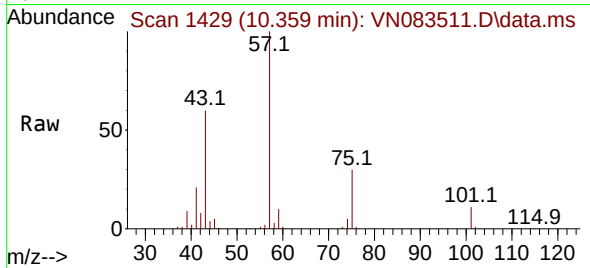




#54
 cis-1,3-Dichloropropene
 Concen: 18.473 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083511.D
 Acq: 27 Aug 2024 15:53

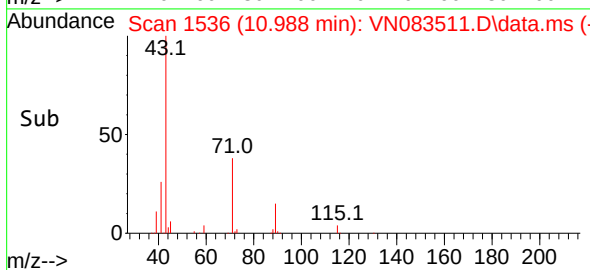
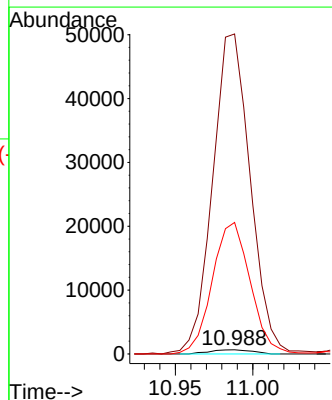
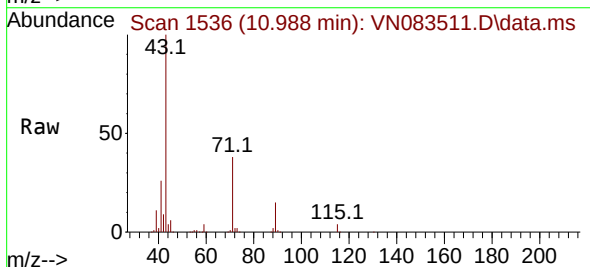
Instrument :
 MSVOA_N
 ClientSampleId :

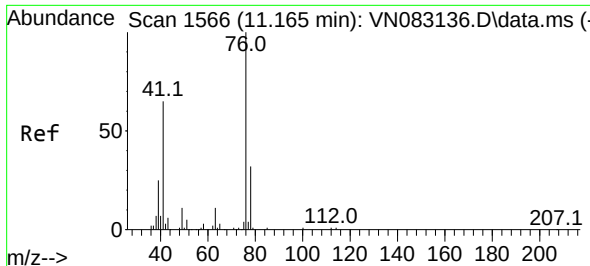
Tgt Ion: 75 Resp: 54862
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 30.9 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.405 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN083511.D
 Acq: 27 Aug 2024 15:53

Tgt Ion: 69 Resp: 1231
 Ion Ratio Lower Upper
 69 100
 41 6903.4 63.4 95.2#
 39 2852.2 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.463 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Instrument :

MSVOA_N

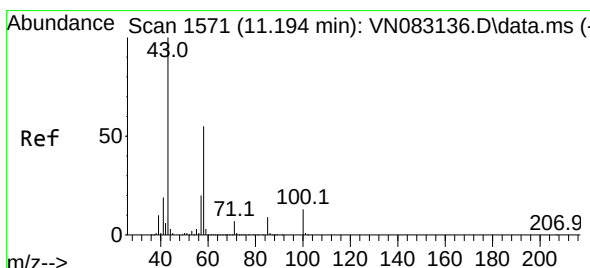
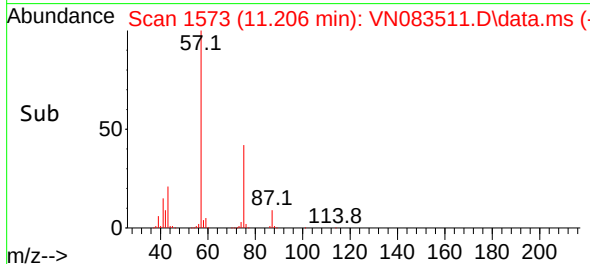
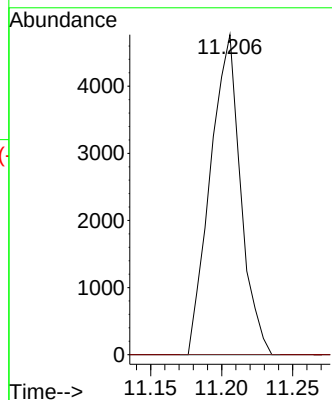
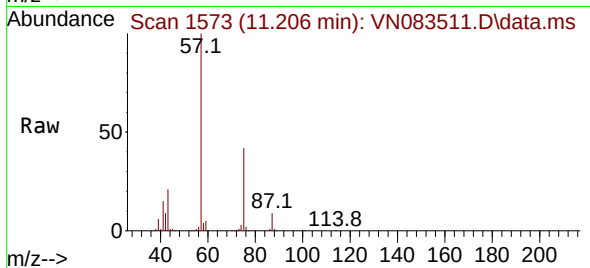
ClientSampleId :

Tgt Ion: 76 Resp: 7084

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 66.177 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083511.D

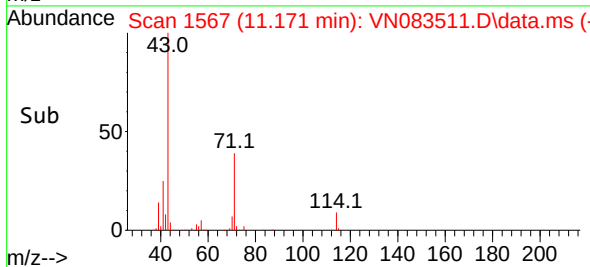
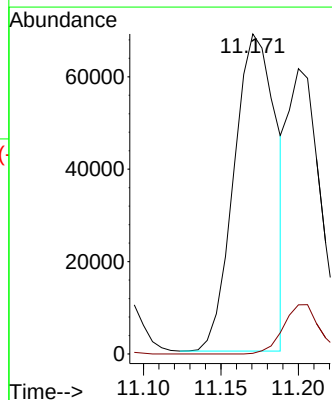
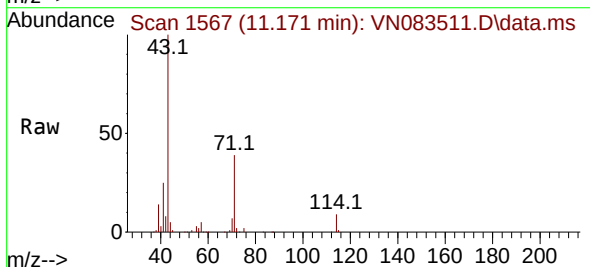
Acq: 27 Aug 2024 15:53

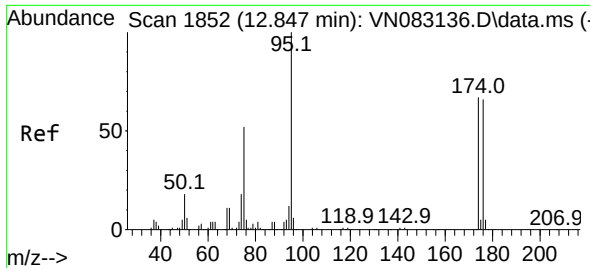
Tgt Ion: 43 Resp: 129650

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

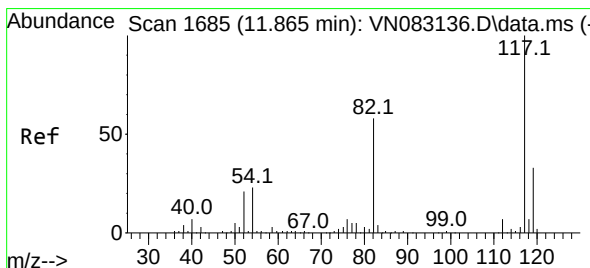
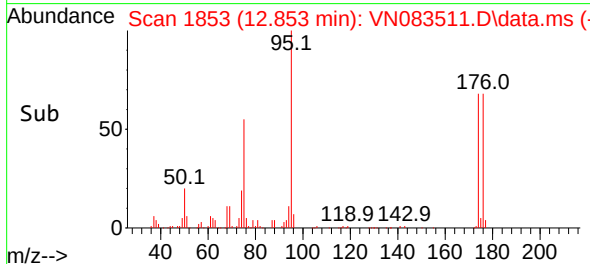
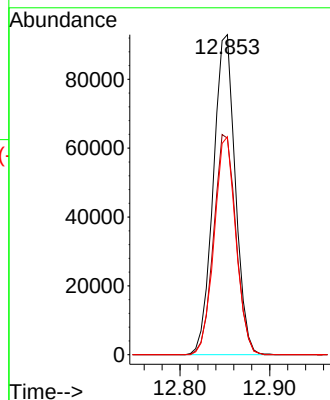
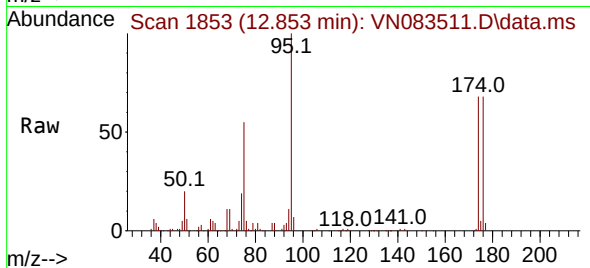




#62
4-Bromofluorobenzene
Concen: 68.787 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

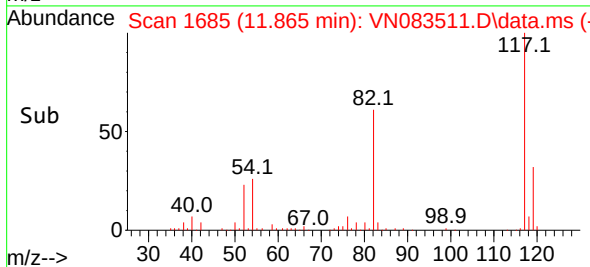
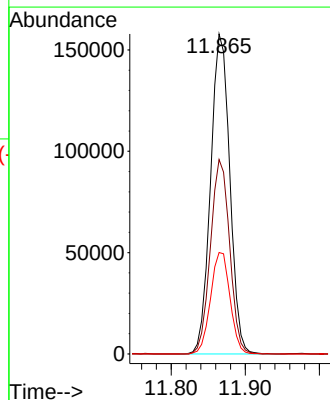
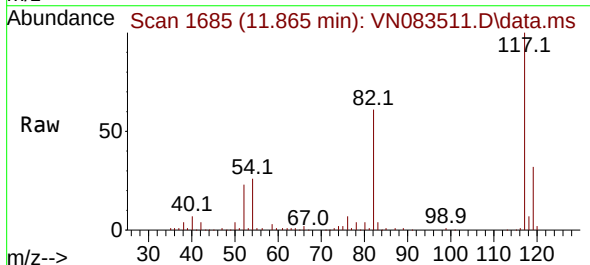
Instrument :
MSVOA_N
ClientSampleId :

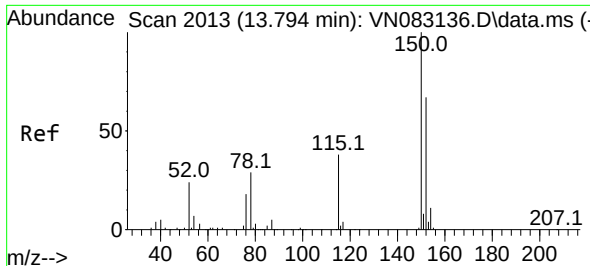
Tgt Ion: 95 Resp: 158164
Ion Ratio Lower Upper
95 100
174 69.7 0.0 159.2
176 67.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

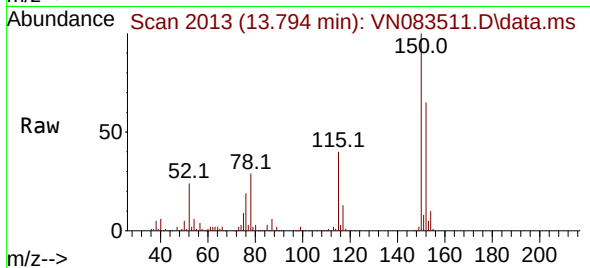
Tgt Ion: 117 Resp: 283998
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.7 25.6 38.4



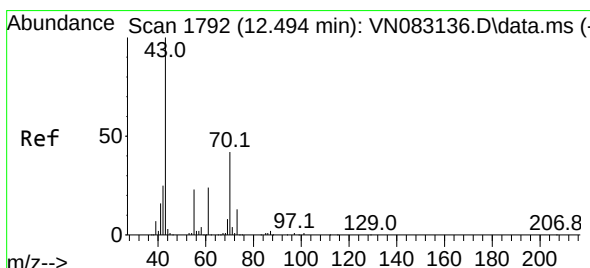
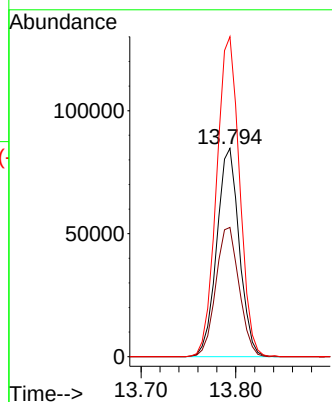
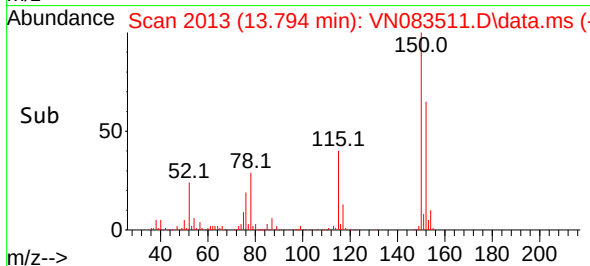


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53

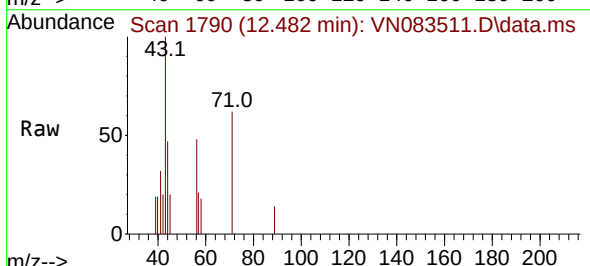
Instrument :
MSVOA_N
ClientSampleId :



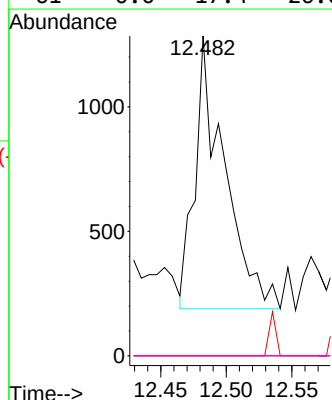
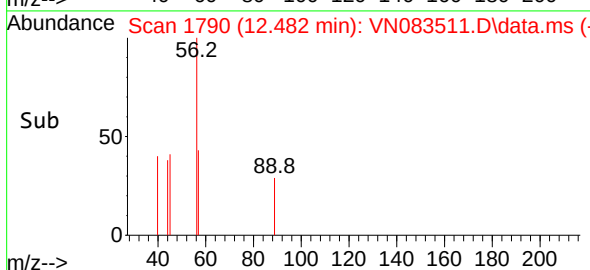
Tgt Ion:152 Resp: 139745
Ion Ratio Lower Upper
152 100
115 64.5 30.6 91.6
150 156.9 0.0 348.6

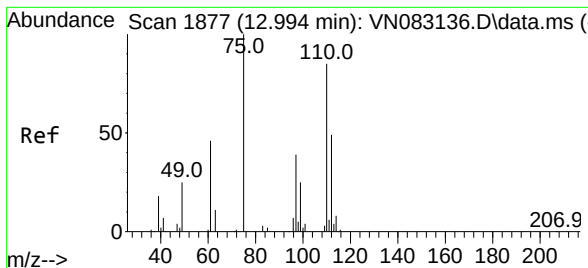


#74
N-ethyl acetate
Concen: 0.300 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083511.D
Acq: 27 Aug 2024 15:53



Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 28.708 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Instrument :

MSVOA_N

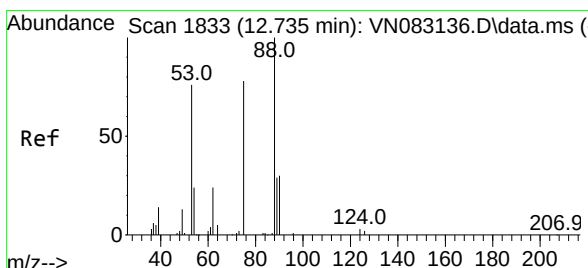
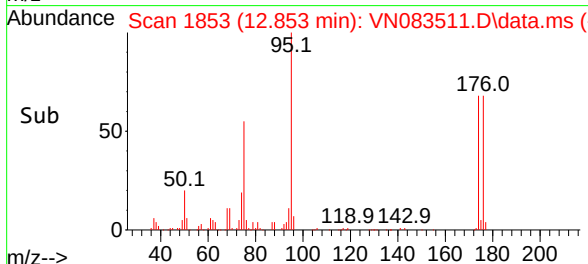
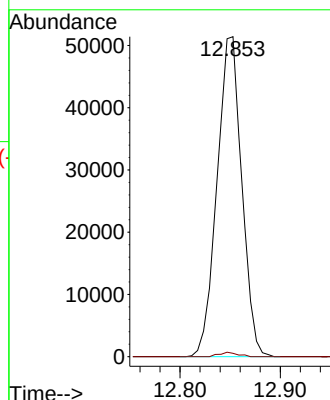
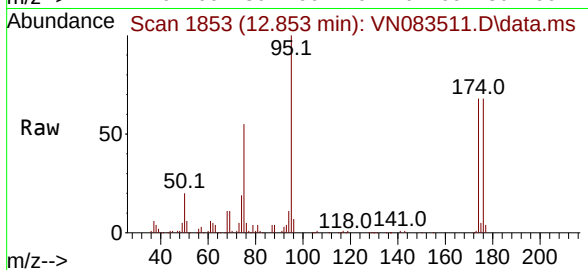
ClientSampleId :

Tgt Ion: 75 Resp: 88049

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.447 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

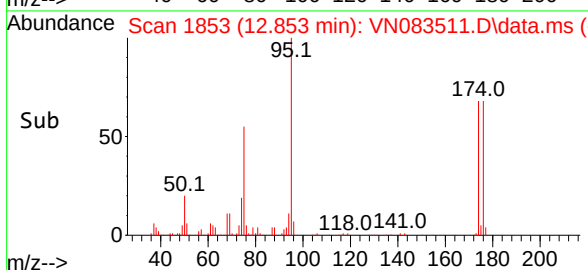
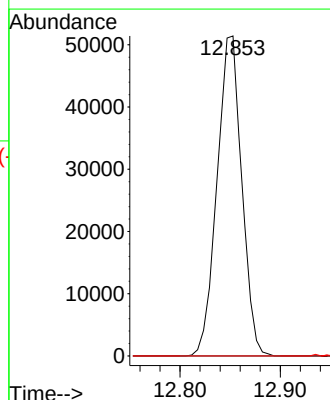
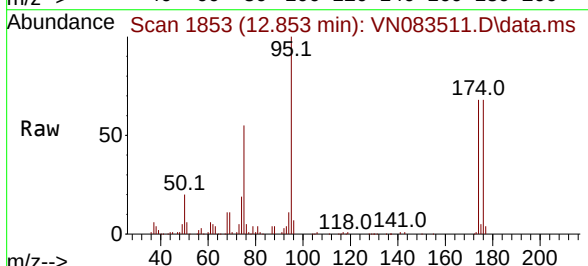
Tgt Ion: 75 Resp: 88049

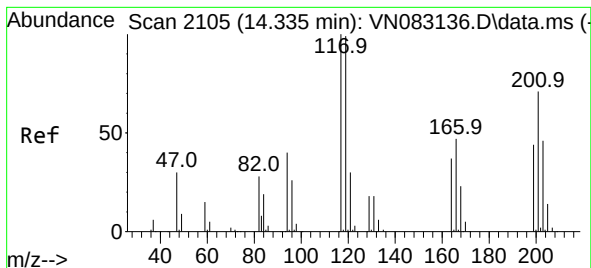
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#90

Hexachloroethane

Concen: 4.816 ug/l

RT: 14.353 min Scan# 2105

Delta R.T. 0.018 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Instrument :

MSVOA_N

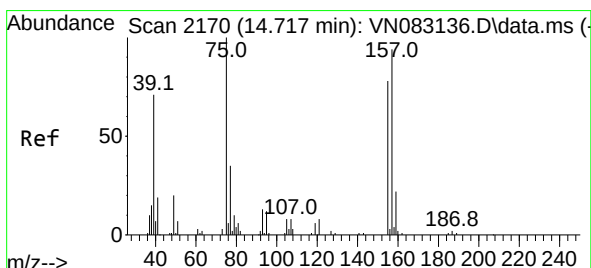
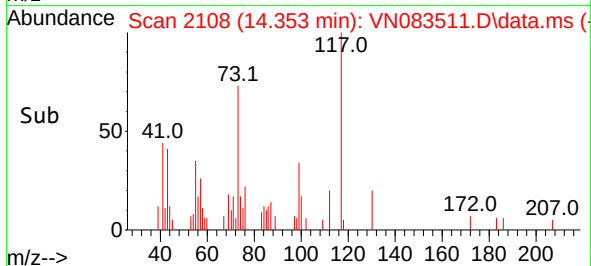
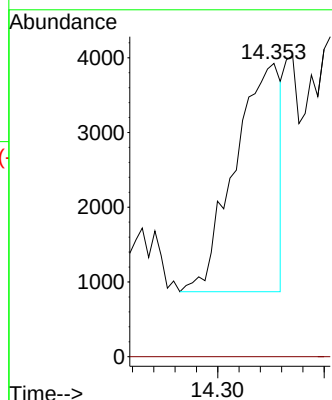
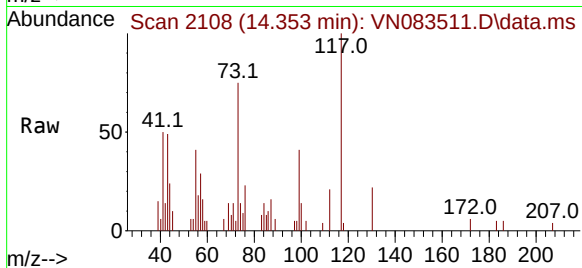
ClientSampleId :

Tgt Ion:117 Resp: 9084

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.023 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. -0.012 min

Lab File: VN083511.D

Acq: 27 Aug 2024 15:53

Tgt Ion: 75 Resp: 821

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

157 0.0 46.9 140.6#

